



2013-2019 Data Trends for Urban, Rural, and Micropolitan Counties

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BACKGROUND

This analysis and report of findings were requested by the Iowa Department of Public Health (IDPH) Bureau of Family Health to provide a comparative summary of the variables assessed in the Iowa Barriers to Prenatal Care Project. There are numerous operationalization of urban and rural designations. For this analysis and report, we utilized three categories of county population: rural, micropolitan and urban. Additionally, we analyzed a number of variables by hospital status. Hospital status is defined as 1) the county currently has a hospital with OB services, 2) the county had a hospital with OB services but it has closed, or 3) the county never had a hospital. All data provided in the tables reflect percentages unless otherwise noted. Shaded cells in tables represent years where the question or item was not asked.

A. URBAN, MICROPOLITAN, AND RURAL COMPARISON

This section compares the findings of urban (50,000 or more residents), micropolitan (urban core of 10,000 but fewer than 50,000 residents), and rural counties (fewer than 2,500 residents) from the data received for the Iowa Barriers to Prenatal Care survey in 2013 through 2019. It uses the IDPH's designation for the county, and the map of the counties is shown in Figure A1. The total sample sizes across years for urban counties ranged from 10,263 to 16,899, for micropolitan counties the sample size ranged from 3,225 to 4,584, and for rural counties the sample size ranged from 3,310 to 5,393.

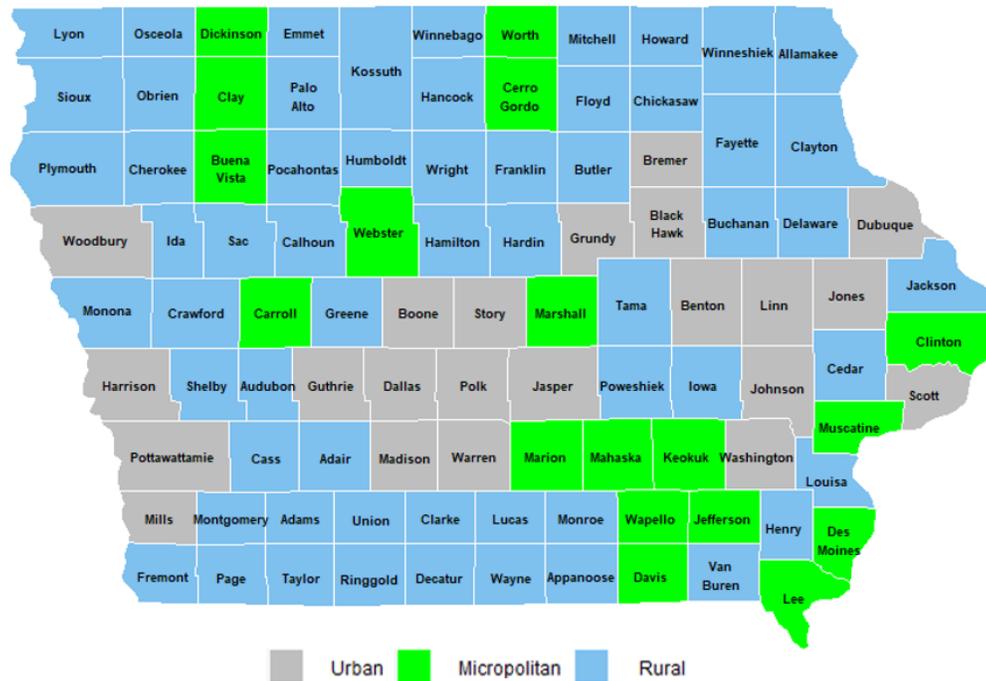


Figure A1. Map of the Urban, Micropolitan, and Rural Counties in Iowa

Experiences before Becoming Pregnant

Urban and micropolitan mothers reported receiving more information on birth control compared to mothers in rural counties. Urban mothers also reported receiving more information on the timing of pregnancies than micropolitan and rural mothers did. However, micropolitan and rural mothers had somewhat higher reports of not seeing a doctor prior to their pregnancy compared to urban mothers (see Table A1).

Table A1. Information Prior to Pregnancy

Birth control	2015	2017	2019
Urban	50	50	51
Micropolitan	53	48	49
Rural	48	46	47
Timing of pregnancy	2015	2017	2019
Urban	22	28	29
Micropolitan	18	22	24
Rural	19	22	24
Did not see a doctor	2015	2017	2019
Urban		30	30
Micropolitan		38	35
Rural		38	38

In general, mothers in urban counties were more likely to report that they received information on folic acid or multivitamins, drinking alcohol, weight, exercise, and oral health when visiting the doctor prior to their pregnancy than did mothers who live in micropolitan and rural counties. Mothers who live in micropolitan and rural areas were less likely to report seeing a doctor prior to their pregnancy than were mothers who live in urban counties (see Table A2).

Table A2. Information Received Prior to Becoming Pregnant

Taking folic acid or multivitamin	2013	2014	2015	2016	2017	2018	2019
Urban	44	49	47	49	47	50	47
Micropolitan	36	41	40	41	38	41	40
Rural	36	42	41	42	41	42	40
Drinking alcohol	2013	2014	2015	2016	2017	2018	2019
Urban	26	33	28	32	26	33	27
Micropolitan	24	30	26	29	23	29	24
Rural	23	29	25	29	24	29	23
Your weight	2013	2014	2015	2016	2017	2018	2019
Urban	24	31	26	30	25	30	27
Micropolitan	22	27	25	27	23	28	23
Rural	20	26	24	27	22	28	22
Regular exercise	2013	2014	2015	2016	2017	2018	2019
Urban	29	35	30	34	29	35	31
Micropolitan	25	30	26	29	25	30	25
Rural	23	29	26	29	25	30	25
Oral health	2013	2014	2015	2016	2017	2018	2019
Urban					24	22	25
Micropolitan					21	19	22
Rural					20	19	20
Did not see a doctor	2013	2014	2015	2016	2017	2018	2019
Urban	20	29	22	28	28	30	29
Micropolitan	28	38	29	36	36	38	35
Rural	29	37	28	37	36	38	37

Pregnancy Intention and Contraception Use

Urban mothers were more likely to report using no birth control at the time they became pregnant compared to Micropolitan mothers (see Table A3).

Table A3. Birth Control Used

No birth control	2013	2014	2015	2016	2017	2018	2019
Urban	85	87	87	87	87	88	89
Micropolitan	81	85	83	85	85	87	86
Rural	82	84	85	85	86	87	88
Birth control pills	2013	2014	2015	2016	2017	2018	2019
Urban	06	06	06	05	05	05	05
Micropolitan	08	07	08	07	07	07	07
Rural	08	08	07	08	07	06	06

Women in Micropolitan counties were less likely to report having an intended pregnancy. That is, they were less likely to report wanting the pregnancy at the current time or earlier and were more likely to have wanted the pregnancy in the future compared to women in urban and rural counties (see Table A4). Proportions of mothers not wanting to be pregnant at the time of conception but wanting a pregnancy sometime in the future have decreased over time across all groups.

Table A4. Desirability of Pregnancy

Earlier and at that time	2013	2014	2015	2016	2017	2018	2019
Urban	33	35	34	36	35	36	36
Micropolitan	29	31	30	31	32	33	32
Rural	29	30	32	31	33	35	35
At that time	2013	2014	2015	2016	2017	2018	2019
Urban	37	36	38	37	38	38	38
Micropolitan	34	34	34	34	35	34	35
Rural	36	36	38	37	36	36	37
Sometime in future	2013	2014	2015	2016	2017	2018	2019
Urban	26	25	24	24	24	23	23
Micropolitan	34	31	31	31	29	29	29
Rural	32	31	27	28	27	25	24
Not now nor in future	2013	2014	2015	2016	2017	2018	2019
Urban	03	03	04	03	03	03	03
Micropolitan	04	04	04	04	04	04	04
Rural	04	04	03	04	04	04	04

During Your Pregnancy

Mothers in micropolitan areas reported higher rates of moving, arguing with their partner more, and not being able to pay bills compared to mothers in urban and rural areas (see Table A5).

Table A5. Experiences During the Pregnancy

Moved	2013	2014	2015	2016	2017	2018	2019
Urban	22	23	22	21	21	19	20
Micropolitan	26	26	25	23	23	23	23
Rural	24	26	21	22	21	19	18
Argued more with partner	2013	2014	2015	2016	2017	2018	2019
Urban	10	09	09	09	09	08	08
Micropolitan	12	11	11	10	12	10	10
Rural	11	10	09	09	10	08	08
Couldn't pay bills	2013	2014	2015	2016	2017	2018	2019
Urban	07	07	06	06	06	06	06
Micropolitan	09	09	08	08	08	07	08
Rural	08	09	07	07	08	06	06

Women in micropolitan and rural areas were less likely to report experiencing no dental problems than were women in urban areas (see Table A6). Additionally, the percentages of mothers in all county types reporting no dental problems decreased over time.

Table A6. Dental Problems

No problems	2013	2015	2017
Urban	41	30	33
Micropolitan	33	24	28
Rural	31	26	28

Mothers in urban counties were more likely to report visiting a dentist during their pregnancy than were mothers in micropolitan or rural counties (see Table A7). Higher percentages of mothers in all areas over time reported seeing a dentist.

Table A7. Visited a Dentist

Yes	2013	2015	2017	2019
Urban	57	58	59	60
Micropolitan	51	51	51	53
Rural	49	49	52	54

The main reasons for not visiting the dentist during the pregnancy for micropolitan and rural mothers, compared to urban mothers, were no dental insurance, dentist not accepting Medicaid or Title 19, and not typically going to the dentist even when they were not pregnant (see Table A8). Percentages reporting no dental insurance, dentists not accepting Medicaid and mothers not routinely seeing a dentist dropped over time for all groups and this decreasing trend was more pronounced for rural mothers.

Table A8. Reasons for Not Visiting a Dentist

No dental insurance	2013	2015	2017	2019
Urban	08	05	04	04
Micropolitan	11	06	06	05
Rural	13	07	06	06
Dentist did not accept Medicaid/Title19	2013	2015	2017	2019
Urban	04	02	02	02
Micropolitan	07	04	04	04
Rural	07	04	04	05
Do not routinely go even when not pregnant	2013	2015	2017	2019
Urban	15	10	10	10
Micropolitan	22	12	12	12
Rural	23	12	12	12

In general, women in urban areas reported their worksites have lactation rooms at higher rates than women in micropolitan and rural areas. Across the three years, micropolitan mothers also had higher rates of not knowing about a lactation room at their worksite than urban and rural areas (see Table A9). Percentages reporting that there was a worksite lactation room increased over time for all groups.

Table A9. Worksite Has a Lactation Room

Yes	2014	2016	2018
Urban	52	56	59
Micropolitan	41	44	47
Rural	41	46	51
No	2014	2016	2018
Urban	31	28	26
Micropolitan	35	33	30
Rural	36	34	31
Don't know	2014	2016	2018
Urban	17	16	15
Micropolitan	24	23	22
Rural	23	19	17

Similar to the lactation room mentioned above, mothers in urban areas also reported higher percentages of their worksites having a written policy about breastfeeding. However, almost half of all groups report that they do not know if their worksite has a policy (see Table A10).

Table A10. Worksite Has a Breastfeeding Policy

Yes	2014	2016	2018
Urban	20	23	25
Micropolitan	14	16	17
Rural	12	17	19
No	2014	2016	2018
Urban	29	27	26
Micropolitan	33	31	30
Rural	36	33	31
Don't know	2014	2016	2018
Urban	51	50	49
Micropolitan	53	53	53
Rural	52	50	49

Women in micropolitan areas were more likely to report being diagnosed with depression before their pregnancy compared to women in urban and rural areas (see Table A11).

Table A11. Diagnosed with Depression During Pregnancy

Yes	2013	2015	2017	2019
Urban	02	02	03	03
Micropolitan	02	03	03	04
Rural	02	02	03	03
No	2013	2015	2017	2019
Urban	90	91	88	86
Micropolitan	87	87	86	83
Rural	88	90	86	86
No, before	2013	2015	2017	2019
Urban	08	07	09	11
Micropolitan	10	09	11	14
Rural	09	08	11	11

Women in micropolitan and rural areas were more likely to report having smoked cigarettes over the past two years compared to those in urban areas (see Table A12). Smoking rates for all groups dropped over time – especially in rural areas.

Table A12. Smoked Cigarettes in the Last Two Years

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	24	23	22	20	19	17	17
Micropolitan	34	31	30	29	26	27	26
Rural	35	34	27	29	26	24	22
No	2013	2014	2015	2016	2017	2018	2019
Urban	76	77	78	80	81	83	83
Micropolitan	66	69	70	71	74	73	74
Rural	65	66	73	71	74	76	78

In general, mothers in urban areas reported high percentages of zero cigarettes or 1 to 10 cigarettes per day three months before the pregnancy. Whereas, mothers in micropolitan and rural areas reported higher percentages of 11-20 and 21 or more cigarettes per day three months before the pregnancy (see Table A13).

Table A13. Cigarettes Smoked 3 Months before Pregnancy

Zero per day	2013	2014	2015	2016	2017	2018	2019
Urban	16	14	16	17	17	16	16
Micropolitan	11	12	13	13	14	12	10
Rural	11	11	13	12	10	12	14
1-10 per day	2013	2014	2015	2016	2017	2018	2019
Urban	52	55	54	53	55	55	56
Micropolitan	54	55	54	56	52	52	55
Rural	52	52	53	56	55	54	53
11-20 per day	2013	2014	2015	2016	2017	2018	2019
Urban	29	27	28	26	25	26	26
Micropolitan	31	29	29	28	30	32	32
Rural	33	32	30	29	31	29	28
21+ per day	2013	2014	2015	2016	2017	2018	2019
Urban	04	03	03	04	04	03	03
Micropolitan	04	05	04	04	05	04	03
Rural	05	04	04	03	04	05	05

Women in rural counties had higher reports of zero cigarettes per day compared to women in urban and micropolitan counties. Women in micropolitan counties were more likely to smoke 1-10 cigarettes per day or 21 or more cigarettes per day during the last three months of their pregnancy (see Table A14).

Table A14. Cigarettes Smoked in the Last 3 Months of Pregnancy

Zero per day	2013	2014	2015	2016	2017	2018	2019
Urban	56	56	55	56	57	56	54
Micropolitan	51	51	52	54	51	51	50
Rural	50	49	52	51	50	50	56
1-10 per day	2013	2014	2015	2016	2017	2018	2019
Urban	38	37	39	38	39	38	41
Micropolitan	43	41	41	41	42	42	43
Rural	42	43	42	44	45	43	39
11-20 per day	2013	2014	2015	2016	2017	2018	2019
Urban	05	06	06	05	04	05	04
Micropolitan	06	07	06	05	06	07	07
Rural	07	07	05	05	05	06	04

Urban and rural mothers reported higher percentages of drinking alcohol in the last two years than did those in micropolitan counties (see Table A15).

Table A15. Drank Alcohol in the Last 2 Years

Yes	2013	2014	2015	2016	2018
Urban	72	72	71	72	73
Micropolitan	67	67	65	69	66
Rural	69	70	70	71	72
No	2013	2014	2015	2016	2018
Urban	28	28	29	28	27
Micropolitan	33	33	35	31	34
Rural	31	30	30	29	28

Micropolitan women had the highest percentage of reports for zero drinks per week three months before the pregnancy. Urban women had higher reports of drinking 1-2 drinks per week or 3-5 drinks per week three months before the pregnancy compared to micropolitan women. Reports of drinking in the three months prior to pregnancy increased slightly over time for all county types – primarily in the 1-2 drinks per week category (see Table A16).

Table A16. Alcoholic Drinks 3 Months before Pregnancy

Zero per week	2013	2014	2015	2016*	2018
Urban	28	26	24	25	24
Micropolitan	30	30	28	28	28
Rural	28	30	27	26	27
1-2 per week	2013	2014	2015	2016	2018
Urban	49	50	51	51	51
Micropolitan	45	48	48	49	48
Rural	47	47	49	50	50
3-5 per week	2013	2014	2015	2016	2018
Urban	18	19	20	20	20
Micropolitan	18	17	18	18	18
Rural	18	17	18	18	18

*Question became bi-annual in 2016

Prenatal Care

The information provided during the prenatal care visit varies greatly and where the mother lives is associated with different reporting of receiving information. Rural mothers were more likely than did others to report receiving information about a majority of the topics. Mothers in all county types were more likely to report receiving information about counting kicks and were less likely to report receiving information about how smoking affects the baby (see Table A17).

Table A17. Information Provided During Prenatal Care Visit

How smoking can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	54	60	48	57	50	57	49
Micropolitan	58	65	53	62	55	62	52
Rural	58	65	52	63	56	62	53
Breastfeeding my baby	2013	2014	2015	2016	2017	2018	2019
Urban	66	68	64	66	67	65	67
Micropolitan	68	72	68	69	70	69	67
Rural	71	75	70	74	73	70	71
How alcohol can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	51	57	46	54	49	53	49
Micropolitan	53	59	48	57	52	57	48
Rural	52	59	49	57	53	56	51
Using a seatbelt during pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	43	47	40	43	40	40	40
Micropolitan	45	48	42	49	47	45	43
Rural	44	48	45	50	47	48	47
How illegal drugs can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	42	48	38	44	39	43	39
Micropolitan	45	52	42	49	43	47	41
Rural	41	49	40	48	43	47	43
Doing tests to screen for birth defects/diseases	2013	2014	2015	2016	2017	2018	2019
Urban	78	83	74	82	77	84	77
Micropolitan	74	79	72	79	75	80	72
Rural	72	77	73	79	75	82	74
Symptoms of preterm labor	2013	2014	2015	2016	2017	2018	2019
Urban	64	68	60	66	61	66	61
Micropolitan	63	68	61	68	62	67	61
Rural	65	70	63	69	66	70	64
What to do if labor starts early	2013	2014	2015	2016	2017	2018	2019
Urban	65	68	63	67	64	67	66
Micropolitan	65	69	64	70	66	68	64
Rural	66	71	66	70	68	71	69

Count kicks/ monitor movements	2013	2014	2015	2016	2017	2018	2019
Urban					75	79	84
Micropolitan					73	75	80
Rural					77	78	82
What to do if baby not as active	2013	2014	2015	2016	2017	2018	2019
Urban	73	76	73	76	75	78	73
Micropolitan	69	74	73	76	73	76	70
Rural	68	72	73	75	76	78	73
The Zika virus	2013	2014	2015	2016	2017	2018	2019
Urban						36	32
Micropolitan						29	25
Rural						37	34

Slightly higher percentages of rural women reported experiencing no problems receiving prenatal care compared to urban and micropolitan women (see Table A18).

Table A18. Problems Receiving Prenatal Care

No problems	2014	2016	2018	2019
Urban	88	87	87	91
Micropolitan	87	87	88	89
Rural	89	90	89	92

Somewhat higher percentages of women in urban areas reported their first prenatal care appointment was two months into the pregnancy. Somewhat higher percentages of women in micropolitan and rural areas reported having their first prenatal care appointment three months into their pregnancy (see Table A19).

Table A19. First Prenatal Care Appointment

2 months	2014	2016	2018
Urban	48	48	49
Micropolitan	45	44	46
Rural	41	43	43
3 months	2014	2016	2018
Urban	15	13	13
Micropolitan	16	17	14
Rural	19	18	16

More than 8 in 10 urban mothers reported their prenatal care was received primarily at a private clinic and 7-9% reported receiving their care from a midwife. Micropolitan and rural mothers were more likely than did urban mothers to report receiving their prenatal care primarily from a public clinic (see Table A20).

Table A20. Where Prenatal Care Was Received

Private clinic	2014	2016	2018
Urban	84	81	81
Micropolitan	80	79	77
Rural	67	63	71
Midwife office/ home visit	2014	2016	2018
Urban	07	09	09
Micropolitan	02	01	03
Rural	02	05	05
Public clinic	2014	2016	2018
Urban	09	10	10
Micropolitan	18	19	19
Rural	30	31	23

Higher percentages of mothers in micropolitan areas reported being tested for HIV/AIDS than did mothers in urban or rural areas. Micropolitan and rural areas were slightly more likely to have mothers reporting that they were not sure if they were tested for HIV/AIDS. Percentages of mothers reporting they have been tested for HIV/AIDS have decreased over time (see Table A21).

Table A21. Tested for HIV/AIDS

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	49	50	44	47	40	43	43
Micropolitan	53	52	48	51	45	49	48
Rural	45	47	45	45	40	46	43
No	2013	2014	2015	2016	2017	2018	2019
Urban	30	26	31	27	34	30	29
Micropolitan	23	21	25	21	28	23	23
Rural	30	26	29	27	32	26	28
Don't know	2013	2014	2015	2016	2017	2018	2019
Urban	19	21	22	23	24	25	27
Micropolitan	20	23	25	27	26	27	28
Rural	22	24	24	25	26	26	28

Rural areas had the highest percentage of mothers reporting they were tested for syphilis during their pregnancy, whereas micropolitan areas had the highest percentage of mothers not being tested and urban areas had the highest percentage of mother who were not sure if they were tested (see Table A22). Question was not asked in previous years.

Table A22. Tested for Syphilis

Yes	2019
Urban	32
Micropolitan	34
Rural	36
No	2019
Urban	27
Micropolitan	28
Rural	26
Don't know	2019
Urban	40
Micropolitan	37
Rural	37

Urban and rural women reported higher percentages of receiving the flu shot during their pregnancy than micropolitan women. Micropolitan women were more likely to report choosing not to receive the flu shot during their pregnancy or never receiving flu shots even when they are not pregnant. Reports of receiving the flu shot have slightly increase across all groups over time (see Table A23).

Table A23. Received Flu Shot

Yes	2013	2014	2015	2016	2017	2018
Urban	61	62	65	65	66	67
Micropolitan	58	60	58	62	61	61
Rural	57	62	62	63	64	66
No, I decided not to	2013	2014	2015	2016	2017	2018
Urban	13	13	12	13	12	13
Micropolitan	14	13	13	14	13	15
Rural	12	12	12	12	11	12
No, I never do	2013	2014	2015	2016	2017	2018
Urban	14	14	14	13	13	12
Micropolitan	17	16	17	15	16	15
Rural	19	16	16	15	15	14

Urban mothers reported experiencing the shortest transportation time to their prenatal care provider (0-20 minutes) whereas rural mothers reported experiencing the longest amount of time to their prenatal care provider (41-60 minutes; see Table A24). Transportation time estimates for prenatal care were added in 2019.

Table A24. Minutes to Prenatal Care Provider

0-20 minutes	2019
Urban	78
Micropolitan	71
Rural	51
21-40 minutes	2019
Urban	16
Micropolitan	18
Rural	28
41-60 minutes	2019
Urban	04
Micropolitan	08
Rural	16

Hospital Care

Urban and rural mothers were more likely to report being encouraged by the hospital staff to breastfeed after giving birth to their baby and proportions of mothers reporting such encouragement have increased over time especially for mothers in Micropolitan areas (see Table A25).

Table A25. Encouraged to Breastfeed

Yes	2013	2014	2015	2016	2018	2019
Urban	81	84	84	86	85	84
Micropolitan	75	80	81	82	82	82
Rural	81	82	84	87	85	85
No	2013	2014	2015	2016	2018	2019
Urban	16	14	13	12	12	13
Micropolitan	21	17	16	15	15	15
Rural	17	15	14	11	12	13

A higher proportion of urban mothers reported receiving more information about breastfeeding than did micropolitan and rural mothers, but urban mothers were also most likely to indicate they were not provided with any information. Rural mothers were more likely to report receiving the most information regarding action steps to decrease frustration, laying their baby down to sleep, and the dangers of shaking an infant (see Table A26).

Table A26. Information Provided by a Health Care Provider During Hospital Stay

Breastfeeding or breastfeeding techniques	2013	2014	2015	2016	2018	2019
Urban	78	79	82	84	84	
Micropolitan	71	74	78	80	79	
Rural	76	78	81	83	82	
Action steps to decrease frustration when infant cries	2013	2014	2015	2016	2018	2019
Urban	44	46	39	40	40	42
Micropolitan	49	52	42	47	44	49
Rural	53	58	46	54	49	54
How to lay baby down to sleep	2013	2014	2015	2016	2018	2019
Urban	54	55	51	53	54	57
Micropolitan	54	56	50	58	57	60
Rural	63	64	55	64	60	65
Dangers of shaking an infant	2013	2014	2015	2016	2018	2019
Urban	44	45	37	38	37	41
Micropolitan	49	51	41	45	43	48
Rural	54	59	44	53	47	53
Did not receive information	2013	2014	2015	2016	2018	2019
Urban	09	09	07	07	07	30
Micropolitan	11	11	08	08	09	24
Rural	09	08	07	08	08	22

Women in urban areas reported that they plan to lay their baby down on their back at slightly higher rates than micropolitan and urban mothers did (see Table A27).

Table A27. Positions to Lay Baby down Most of the Time

On back	2015	2016	2018	2019
Urban	93	93	94	95
Micropolitan	91	92	92	93
Rural	92	92	94	93
On side	2015	2016	2018	2019
Urban	02	02	02	01
Micropolitan	03	03	03	02
Rural	03	03	02	02

Micropolitan and rural mothers were more likely to report that they plan to have their baby sleep with bumper pads more often than were urban mothers. Mothers were less likely over time to report that their baby would sleep in a crib with bumper pads (see Table A28).

Table A28. Baby Will Sleep with Bumper Pads

Yes	2015	2016	2018	2019
Urban	09	07	05	05
Micropolitan	15	12	08	07
Rural	13	11	07	06
No	2015	2016	2018	2019
Urban	85	87	89	91
Micropolitan	77	81	85	87
Rural	81	83	87	89
Not sure	2015	2016	2018	2019
Urban	05	05	05	05
Micropolitan	08	07	07	06
Rural	06	06	06	05

Mothers in micropolitan and rural areas were slightly likely to report planning to have their baby sleep with a loose blanket than urban mothers did. In general, mothers are less likely over time to report that their baby would sleep with a loose blanket (see Table A29).

Table A29. Baby Will Sleep with a Loose Blanket

Yes	2015	2016	2018	2019
Urban	06	07	05	04
Micropolitan	10	09	07	06
Rural	08	10	07	05
No	2015	2016	2018	2019
Urban	89	88	91	92
Micropolitan	83	84	88	89
Rural	85	83	88	90
Not sure	2015	2016	2018	2019
Urban	04	05	04	03
Micropolitan	07	07	05	05
Rural	07	08	05	04

Urban and micropolitan mothers are more likely to report that their baby would not sleep with someone else during naps or at night than were rural mothers and over time, all groups were more likely to indicate that their baby would never sleep with someone else (see Table A30).

Table A30. Baby Will Sleep with Someone Else

Never	2016	2017	2018	2019
Urban	79	81	84	83
Micropolitan	76	78	82	81
Rural	72	75	79	79

Micropolitan women were somewhat more likely than either urban or rural mothers to report being offered a long-acting contraceptive (LAC) or an IUD after giving birth to their child (see Table A31).

Table A31. Offered a LAC/IUD after Birth

Yes	2017	2019
Urban	12	15
Micropolitan	19	22
Rural	16	18
No	2017	2019
Urban	88	85
Micropolitan	81	78
Rural	84	82

Urban women were more likely to report placing or planning to have an LAC placed after giving birth than were micropolitan women or rural women (see Table A32).

Table A32. Plan to Have LAC/IUD Placed

Yes	2017	2019
Urban	44	43
Micropolitan	41	40
Rural	42	37
No	2017	2019
Urban	56	57
Micropolitan	59	60
Rural	58	63

Higher percentages of rural women (20%) reported having travel times to the hospital in the 41-60 minute range compared to urban women who reported the shortest travel times (73% 0-20 minutes) (see Table A33). Transportation time estimates for hospital were added in 2019.

Table A33. Minutes to Hospital to Give Birth

0-20 minutes	2019
Urban	73
Micropolitan	65
Rural	40
21-40 minutes	2019
Urban	21
Micropolitan	18
Rural	34
41-60 minutes	2019
Urban	5
Micropolitan	12
Rural	20

B. HOSPITAL STATUS COMPARISONS

Obstetrician Service Availability by County

During the reporting period (2013 to 2019), some of the counties in the state lost the obstetric (OB) services in the hospital. The closure of OB services could have been due to financial reasons, staffing reasons, etc., but these losses tended to affect rural counties more often than urban or micropolitan counties.

Figure B1 shows the current OB services status in Iowa counties (e.g., has OB services, OB services closed) in 2019. The status designation reflects the change since 2013. It also shows the number of mothers who participated in each county for the 2019 Barriers survey. Green represents counties that currently have a hospital with OB services. Orange represents counties where the OB services closed within the hospital and they no longer have any OB services in the county. Grey represents counties that did not have a hospital during the reporting period.

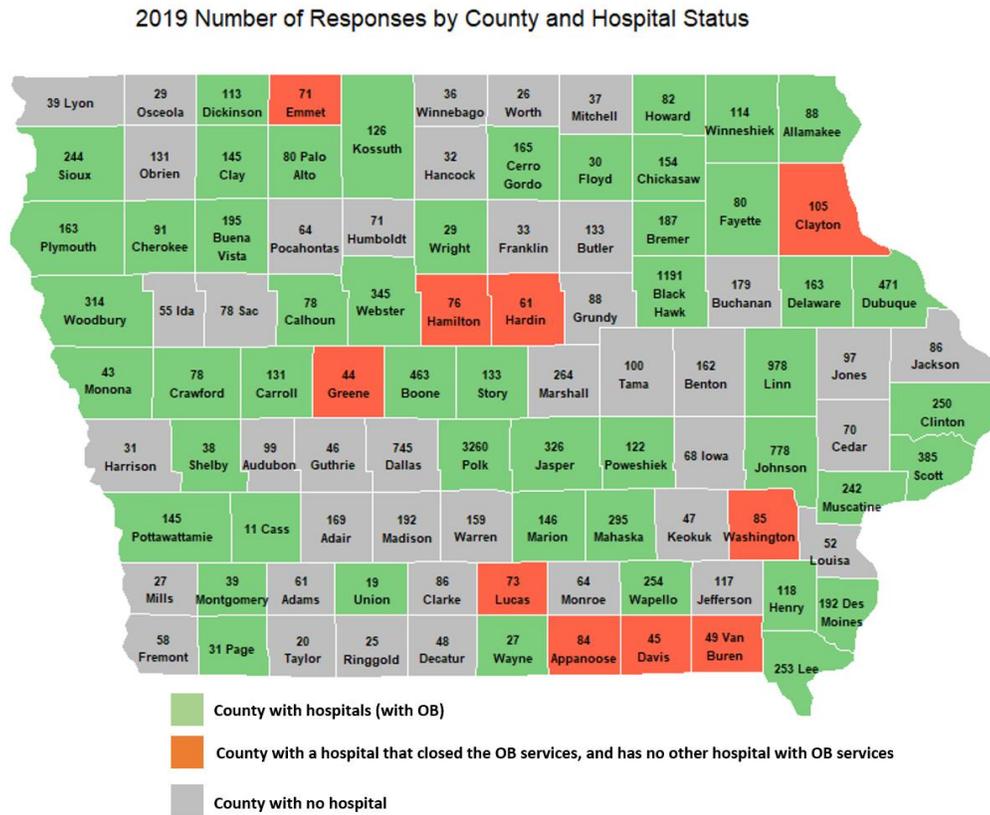


Figure B1. Counties by Hospital Status

In this section, the analysis focuses on the differences in mother’s experiences and perceptions by hospital status of the counties in which they live.

Experiences before Becoming Pregnant

Mothers in areas where the county’s OB services were closed were more likely to report not visiting a doctor than were women in areas where they never had OB services. Mothers in counties with OB services were slightly more likely to report having gotten information about birth control and pregnancy timing (see Table B1).

Table B1. Information Provided by a Healthcare Provider 12 Months before Pregnancy

Birth control	2015	2017	2019
OB services closed	49	49	48
Never had OB services	48	48	47
Has OB services	50	49	51
Timing of pregnancy	2015	2017	2019
OB services closed	20	23	23
Never had OB services	19	24	26
Has OB services	21	27	27
Did not see a doctor	2015	2017	2019
OB services closed		38	38
Never had OB services		35	36
Has OB services		33	32

Mothers consistently reported that they were less likely to receive general prenatal information in areas where the county lost the OB services compared to women in counties that never had OB services and counties that have OB services (see Table B2).

Table B2. Information Provided Prior to Pregnancy

Taking folic acid or multivitamin	2013	2014	2015	2016	2017	2018	2019
OB services closed	39	44	42	42	40	42	41
Never had OB services	39	46	43	46	42	45	42
Has OB services	42	48	45	47	45	47	45
Smoking	2013	2014	2015	2016	2017	2018	2019
OB services closed	34	38	32	34	29	33	28
Never had OB services	29	36	30	34	28	33	27
Has OB services	32	37	33	36	30	36	31
Drinking alcohol	2013	2014	2015	2016	2017	2018	2019
OB services closed	26	32	26	28	24	28	23
Never had OB services	24	31	24	30	23	30	23
Has OB services	27	32	28	32	26	32	27
Your weight	2013	2014	2015	2016	2017	2018	2019
OB services closed	24	26	26	27	22	29	21
Never had OB services	23	28	24	28	23	28	22
Has OB services	24	30	26	29	24	30	26
Regular exercise	2013	2014	2015	2016	2017	2018	2019
OB services closed	24	29	27	29	25	30	25
Never had OB services	25	32	26	31	26	31	25
Has OB services	28	34	29	33	28	34	30
Romantic relationships	2013	2014	2015	2016	2017	2018	2019
OB services closed	07	13	11	12	10	13	10
Never had OB services	07	13	09	13	09	13	09
Has OB services	09	13	09	13	10	14	11
Oral health	2013	2014	2015	2016	2017	2018	2019
OB services closed					22	19	20
Never had OB services					22	20	21
Has OB services					23	21	24
Did not see a doctor	2013	2014	2015	2016	2017	2018	2019
OB services closed	28	36	28	38	37	38	37
Never had OB services	26	34	27	33	33	35	34
Has OB services	23	31	24	30	31	33	31

During Pregnancy

Mothers were more likely to report receiving information on preterm labor symptoms in areas where the OB services closed compared to mothers in other areas. Mothers in the areas where the OB services closed were also more likely to receive information on what to do if the labor started early compared to those in areas that never had OB services or currently have OB services (see Table B3).

Table B3. Information Provided at Prenatal Care Visit

How smoking can affect my baby	2013	2014	2015	2016	2017	2018	2019
OB services closed	61	69	52	54	58	64	51
Never had OB services	56	63	49	59	50	57	50
Has OB services	55	61	50	58	53	59	51
Breastfeeding my baby	2013	2014	2015	2016	2017	2018	2019
OB services closed	71	77	72	76	76	72	72
Never had OB services	68	70	64	67	67	64	66
Has OB services	67	70	66	68	70	67	69
How alcohol can affect my baby	2013	2014	2015	2016	2017	2018	2019
OB services closed	53	64	49	58	55	58	50
Never had OB services	53	58	46	55	48	52	48
Has OB services	51	57	47	55	51	55	50
Using a seatbelt during pregnancy	2013	2014	2015	2016	2017	2018	2019
OB services closed	44	52	45	51	47	47	42
Never had OB services	53	47	40	47	41	42	41
Has OB services	44	47	41	44	43	43	42
How illegal drugs can affect my baby	2013	2014	2015	2016	2017	2018	2019
OB services closed	46	55	42	49	46	48	42
Never had OB services	43	50	38	46	38	43	39
Has OB services	42	48	39	45	41	45	41
How prescription medication can affect my baby	2013	2014	2015	2016	2017	2018	2019
OB services closed	49	59	49	57	53	58	50
Never had OB services	48	56	46	53	47	51	47
Has OB services	47	56	47	53	49	53	49
What to do if I feel depressed	2013	2014	2015	2016	2017	2018	2019
OB services closed	49	63	50	57	58	63	59
Never had OB services	51	58	48	58	51	57	55
Has OB services	50	58	49	57	54	59	58

Physical abuse	2013	2014	2015	2016	2017	2018	2019
OB services closed	29	41	31	35	32	33	30
Never had OB services	31	29	29	34	28	30	30
Has OB services	30	36	29	33	29	31	30
Symptoms of preterm labor	2013	2014	2015	2016	2017	2018	2019
OB services closed	65	72	65	69	68	71	66
Never had OB services	64	69	61	68	61	66	62
Has OB services	61	69	61	67	62	67	62
What to do if labor starts early	2013	2014	2015	2016	2017	2018	2019
OB services closed	69	73	67	71	71	72	68
Never had OB services	64	69	63	69	64	68	67
Has OB services	61	69	64	68	66	68	66

Areas where the OB services closed had the highest reported percentages of women using a public clinic as their main source of prenatal care (see Table B4).

Table B4. Prenatal Care

Private clinic	2014	2016	2018
OB services closed	75	72	70
Never had OB services	82	80	80
Has OB services	81	78	77
Midwife office/ home visit	2014	2016	2018
OB services closed	04	06	05
Never had OB services	04	06	06
Has OB services	06	07	07
Public clinic	2014	2016	2018
OB services closed	21	22	24
Never had OB services	13	14	13
Has OB services	13	14	14

Mothers in counties that lost OB services reported the highest percentages for never getting flu shots compared to mothers in counties that never had OB services or have OB services (see Table B5).

Table B5. Flu Shot

Yes	2013	2014	2015	2016	2017	2018
OB services closed	56	58	59	60	61	64
Never had OB services	59	61	64	65	66	65
Has OB services	59	62	63	64	65	66
No, I never do	2013	2014	2015	2016	2017	2018
OB services closed	22	17	20	18	18	14
Never had OB services	15	15	15	14	14	14
Has OB services	15	14	15	14	14	13

Women who live in areas where the OB services closed or in areas where there were never OB services were more likely to report longer transportation times to their prenatal care provider than women who live in areas that have OB services (see Table B6).

Table B6. Minutes to Prenatal Care Provider

0-20 minutes	2019
OB services closed	33
Never had OB services	47
Has OB services	79
21-40 minutes	2019
OB services closed	34
Never had OB services	33
Has OB services	15
41-60 minutes	2019
OB services closed	24
Never had OB services	17
Has OB services	05
61-80 minutes	2019
OB services closed	05
Never had OB services	02
Has OB services	<01
81+ minutes	2019
OB services closed	04
Never had OB services	01
Has OB services	01

Hospital Care

Similar to the prenatal care visits, women in counties that that lost OB services or never had OB services were more likely to report longer transportation times to get to the hospital to give birth than did women in counties that have OB services (see Table B7).

**Table B7. Minutes to
Hospital to Give Birth**

0-20 minutes	2019
OB services closed	15
Never had OB services	31
Has OB services	75
21-40 minutes	2019
OB services closed	42
Never had OB services	41
Has OB services	17
41-60 minutes	2019
OB services closed	30
Never had OB services	23
Has OB services	06
61-80 minutes	2019
OB services closed	07
Never had OB services	03
Has OB services	01
81+ minutes	2019
OB services closed	06
Never had OB services	02
Has OB services	01

C. MULTIVARIATE ANALYSIS

We analyzed the association among four outcomes, the individual and environmental level characteristics. The outcomes were:

This section examines the mothers' individual characteristics (e.g., age, race, income) and environmental factors (e.g., geographic location) that may affect some of the mothers' experiences before and during the pregnancy with the health care providers. The outcomes included in the analyses are:

- 1) The number of perinatal information topics reportedly received from health care providers 12 months prior to becoming pregnant (see Q.X in Appendix for list of topics).
- 2) The number of topics reportedly discussed or information provided from healthcare providers during the prenatal visits (see QX in Appendix for the list of topics)
- 3) Whether mother has been refused the prenatal care, and
- 4) Whether mother has experienced any problems during prenatal care.

The percentage of the number of topics received as well as the percentage of mothers who were refused prenatal care and experienced problems during their pregnancy by year is shown in Table C1. The individual characteristics were mother’s demographic information such as age, education, race, household income, and pregnancy intention. The complete information is shown in the tables C2. The environmental characteristics were urban, micropolitan, or rural designation of the mother’s zip code and the county’s hospital status by the year of the dataset (2014, 2016, and 2019) is shown in Table C3. These years were chosen because they contained the most data for the chosen outcomes and these years also experienced the most OB closures across the state.

Table C1. Outcomes and percent reporting by year

Outcomes	Number of Topics Reported	Year		
		2014	2016	2019
The number of topics related to pregnancy discussed with a health care provider 12 months prior to becoming pregnant (number of topics)	0	43	44	45
	1	16	16	19
	2	07	07	08
	3	07	07	07
	4	05	05	05
	5	11	10	08
The number of topics discussed during the prenatal care visits (number of topics)	6	11	11	08
	0	07	07	07
	1	03	03	04
	2	04	04	05
	3	05	05	06
	4	06	06	07
	5	07	07	08
	6	07	06	08
	7	06	06	07
	8	06	06	06
	9	05	06	05
	10	05	05	05
	11	06	06	05
12	07	07	07	
13	27	25	21	
Refused prenatal care (Yes)		01	01	01
Experienced problems during this pregnancy (Yes)		12	13	10

Table C2. Predictors: Individual Characteristics of the Mothers

Age	2014	2016	2019
19 years or younger	05	04	04
20-25 years	28	26	24
26-30 years	35	36	37
31-35 years	25	25	26
36 years or older	08	08	10
Education			
Less than high school	08	07	07
High school	19	20	21
Some college	36	34	36
College graduate	27	27	27
Graduate school	10	11	12
Race			
White	91	91	90
Non-White	09	09	10
Ethnicity			
Hispanic	07	07	08
Non-Hispanic	93	93	92
Income			
Under \$10,000	14	12	11
\$10,000-\$19,999	10	09	08
\$20,000-\$29,999	10	09	09
\$30,000-\$39,999	09	09	08
\$40,000-\$49,999	08	08	07
\$50,000 or more	49	53	57
Desirability			
Pregnancy Intended	69	71	72
Pregnancy Unintended/Mistimed	31	29	28

Table C3. Predictors: Environmental Characteristics

Hospital Status	2014	2016	2019
OB services closed	12	13	12
Never had OB services	26	27	42
Has OB services	62	60	45
Geographic Location			
Urban	67	66	57
Micropolitan	19	19	18
Rural	14	15	25

Information Provided Prior to Pregnancy

The linear regression analysis revealed that factors such as education, race, ethnicity, household income, pregnancy intention, hospital status, geographical location, and year were associated with the amount of information reportedly received from health care providers 12 months prior to the pregnancy.

Among these factors, the strongest predictors were the pregnancy intention, household income, and education. Overall, the size of these associations were small, however. Specifically, higher levels of education increased the number of topics reported as being discussed prior to the pregnancy. In addition, being a mother who has completed graduate school increased the number of topics reportedly discussed by 0.59 compared to a mother with some college, but no degree, when holding all other variables constant. Similarly, when holding all other variables constant, being a mother who reported that the pregnancy was intended predicted an increased number of topics discussed by 0.40 compared to the mother who has stated that they did not want to get pregnant.

For the environmental factors, the models revealed that mothers who lived in rural or micropolitan areas reported fewer topics discussed prior to pregnancy compared to mothers living in urban areas. Similarly, mothers living in counties with no hospitals reported fewer topics discussed compared to mothers living in counties with hospitals (see Table C4).

Table C4. Predictors of Reported Information Provided Prior to Pregnancy

Age	Beta Coefficient	Std. Error	P-Value
19 years or younger	0.100	0.052	.053
20-25 years	-0.014	0.024	.569
26-30 years (Reference)			
31-35 years	-0.055	0.023	.016*
36 years or older	-0.046	0.034	.175
Education			
Less than high school	-0.092	0.042	.028*
High school	-0.214	0.027	<.001*
Some college (Reference)			
College graduate	0.327	0.024	<.001*
Graduate school	0.591	0.032	<.001*
Race			
White (Reference)			
Non-White	0.144	0.032	<.001*
Ethnicity			
Hispanic	0.160	0.040	<.001*
Non-Hispanic (Reference)			

Income			
Under \$10,000	-0.281	0.036	<.001*
\$10,000-\$19,999	-0.354	0.036	<.001*
\$20,000-\$29,999	-0.409	0.035	<.001*
\$30,000-\$39,999	-0.337	0.035	<.001*
\$40,000-\$49,999	-0.328	0.035	<.001*
\$50,000 or more (Reference)			
Hospital Status			
OB services closed	-0.014	0.046	.764
Never had OB services	-0.110	0.022	<.001*
Has OB services (Reference)			
Geographic Location			
Urban (Reference)			
Micropolitan	-0.054	0.024	.023*
Rural	-0.080	0.025	.001*
Desirability			
Wanted to get pregnant	0.402	0.022	<.001*
Did not want to get pregnant (Reference)			
Year			
2014	0.295	0.022	<.001*
2016	0.228	0.022	<.001*
2019 (Reference)			

*Predictor significant at $p < .05$

Information Provided during Prenatal Care Visit

A linear regression of variables predicting the number of topics discussed by a doctor during a prenatal care visit found that these was associated with age, education, race, ethnicity, household income, geographic location, and pregnancy intention (see Table C5).

Across all variables used in the model, age, education, race, and household income had the highest associations with the number of topics discussed during a prenatal care visit. Mothers who were 19 years or younger tended to receive more information during prenatal care visits compared to mothers who were 26 to 30 years of age when holding all other variables constant. Mothers who completed less than a high school degree discussed fewer topics with a doctor, 0.85, compared to mothers who completed some college. Similarly, mothers with an annual household income of less than \$10,000 received slightly less information compared to mothers who have a household income of \$50,000 or more.

Table C5. Information Provided during Prenatal Care Visit

Age	Beta Coefficient	Std. Error	P-Value
19 years or younger	0.994	0.104	<.001*
20-25 years	0.494	0.049	<.001*
26-30 years (Reference)			
31-35 years	-0.213	0.046	<.001*
36 years or older	-0.442	0.068	<.001*
Education			
Less than high school	-0.849	0.084	<.001*
High school	-0.381	0.054	<.001*
Some college (Reference)			
College graduate	0.045	0.048	.348
Graduate school	0.301	0.065	<.001*
Race			
White (Reference)			
Non-White	-0.925	0.065	<.001*
Ethnicity			
Hispanic	-0.449	0.081	<.001*
Non-Hispanic (Reference)			
Income			
Under \$10,000	-0.483	0.073	<.001*
\$10,000-\$19,999	-0.149	0.073	.042*
\$20,000-\$29,999	-0.300	0.071	<.001*
\$30,000-\$39,999	-0.307	0.070	<.001*
\$40,000-\$49,999	-0.286	0.071	<.001*
\$50,000 or more (Reference)			
Hospital Status			
OB services closed	0.213	0.092	.021*
Never had OB services	-0.067	0.044	.125
Has OB services (Reference)			

Geographic Location			
Urban (Reference)			
Micropolitan	0.145	0.048	.002*
Rural	0.159	0.050	.002*
Desirability			
Wanted to get pregnant	0.104	0.044	.017*
Did not want to get pregnant (Reference)			
Year			
2014	0.654	0.044	<.001*
2016	0.412	0.045	<.001*
2019 (Reference)			

*Predictor significant at p<.05

Refused Prenatal Care

A multivariate logistic regression using the predictor factors listed in the table below (see Table C6) revealed that characteristics such as age, race, household income, hospital status, geographic location, and pregnancy intent were associated with the likelihood of being refused prenatal care during their pregnancy.

Of those factors, household income was the strongest predictor of the likelihood of being refused prenatal care. Specifically, a mother who reports an annual household income of under \$10,000 is 6.20 times more likely to be refused prenatal care compared to a mother who reports an annual household income of greater than \$50,000, when holding all other variables constant.

In general, environmental factors such as hospital status and geographic location were weaker predictors than were individual characteristics on the likelihood of being refused prenatal care. For instance, women who live where the county lost the hospital, they were 1.55 times more likely to be refused prenatal care compared to women who live in areas where they have a hospital in their county.

Table C6. Refused Prenatal Care

Age	CI				
	Exp(B)	Lower	Upper	Std. Error	P-Value
19 years or younger	0.563	0.373	0.850	0.210	.006*
20-25 years	0.773	0.624	0.958	0.109	.019*
26-30 years (Reference)					
31-35 years	0.954	0.744	1.222	0.127	.707
36 years or older	1.084	0.764	1.540	0.179	.650

Education					
Less than high school	1.282	0.959	1.715	0.148	.094
High school	1.023	0.822	1.272	0.111	.842
Some college (Reference)					
College graduate	0.895	0.672	1.190	0.146	.445
Graduate school	0.837	0.547	1.281	0.217	.412
Race					
White (Reference)					
Non-White	0.710	0.563	0.895	0.118	.004*
Ethnicity					
Hispanic	0.841	0.741	1.444	0.170	.841
Non-Hispanic (Reference)					
Income					
Under \$10,000	6.201	4.502	8.540	0.163	<.001*
\$10,000-\$19,999	4.969	3.592	6.873	0.166	<.001*
\$20,000-\$29,999	3.566	2.552	4.982	0.171	<.001*
\$30,000-\$39,999	3.144	2.235	4.422	0.174	<.001*
\$40,000-\$49,999	1.608	1.046	2.473	0.220	.031*
\$50,000 or more (Reference)					
Hospital Status					
OB services closed	1.551	1.039	2.316	0.205	.032*
Never had OB services	1.197	0.968	1.481	0.109	.098
Has OB services (Reference)					
Geographic Location					
Urban (Reference)					
Micropolitan	0.680	0.539	0.857	0.118	.001*
Rural	0.498	0.376	0.660	0.144	<.001*
Desirability					
Wanted to get pregnant	0.867	0.720	1.044	0.095	.131
Did not want to get pregnant (Reference)					
Year					
2014	1.385	1.109	1.729	0.113	.004*
2016	1.154	0.912	1.461	0.120	.233
2019 (Reference)					

*Predictor significant at $p < .05$

Problems Experienced during Pregnancy

Household income, race, ethnicity, education, geographical location, hospital status and year were associated with the likelihood of experiencing problems during the pregnancy.

Among these factors, the most relevant factor was the household income. Overall, lower income increased the likelihood of experiencing problems during the pregnancy. For instance, mothers with household income under \$10,000 were 2.69 time more likely to experience problems during the pregnancy than were mothers with household income of more than \$50,000.

For the environmental factors, mothers who lived in rural areas were 24% less likely to experience problems during the pregnancy compared to mothers in urban areas. On the other hand, mothers living in a county that never had a hospital during the data collection period were slightly more likely to experience problems during pregnancy (1.08 times) than were mothers living in counties with hospitals. However, there were not significant differences between mothers living in counties who lost the hospitals in the data collection period compared to mothers who lived in counties with hospitals (see Table C7).

Table C7. Problems during Pregnancy

Age	CI				
	Exp(B)	Lower	Upper	Std. Error	P-Value
19 years or younger	0.769	0.669	0.883	0.071	<.001*
20-25 years	0.903	0.838	0.973	0.038	.008*
26-30 years (Reference)					
31-35 years	0.977	0.901	1.059	0.041	.571
36 years or older	1.149	1.027	1.286	0.057	.015*
Education					
Less than high school	1.318	1.185	1.466	0.054	<.001*
High school	1.059	0.980	1.143	0.039	.145
Some college (Reference)					
College graduate	0.836	0.765	0.913	0.045	<.001*
Graduate school	0.861	0.762	0.973	0.062	.017*
Race					
White (Reference)					
Non-White	0.604	0.556	0.656	0.042	<.001*
Ethnicity					
Hispanic	0.685	0.617	0.760	0.053	<.001*
Non-Hispanic (Reference)					
Income					
Under \$10,000	2.693	2.426	2.990	0.053	<.001*
\$10,000-\$19,999	2.251	2.021	2.506	0.055	<.001*
\$20,000-\$29,999	2.066	1.858	2.297	0.054	<.001*
\$30,000-\$39,999	1.828	1.639	2.038	0.056	<.001*
\$40,000-\$49,999	1.469	1.304	1.656	0.061	<.001*
\$50,000 or more (Reference)					

Hospital Status					
OB services closed	1.067	0.920	1.237	0.076	.390
Never had OB services	1.081	1.007	1.161	0.036	.031*
Has OB services (Reference)					
Geographic Location					
Urban (Reference)					
Micropolitan	0.920	0.854	0.991	0.038	.028*
Rural	0.761	0.699	0.829	0.043	<.001*
Desirability					
Wanted to get pregnant	0.708	0.665	0.755	0.032	<.001*
Did not want to get pregnant (Reference)					
Year					
2014	1.194	1.108	1.286	0.038	<.001*
2016	1.397	1.297	1.505	0.038	<.001*
2019 (Reference)					

*Predictor significant at p<.05

APPENDIX

Percentages for all variables by county size (urban, micropolitan, and rural) and year.

1. In the twelve months prior to becoming pregnant, did a health care provider talk to you about any of the things listed below?

Birth control	2013	2014	2015	2016	2017	2018	2019
Urban			50		50		51
Micropolitan			53		48		49
Rural			48		46		47
Timing of pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban			22		28		29
Micropolitan			18		22		24
Rural			19		22		24
Spacing of children	2013	2014	2015	2016	2017	2018	2019
Urban			11		12		13
Micropolitan			10		10		12
Rural			10		11		12
Did not see a doctor	2013	2014	2015	2016	2017	2018	2019
Urban					30		30
Micropolitan					38		35
Rural					38		38

2. In the twelve months prior to becoming pregnant, did a doctor, nurse, [dental provider,] or other health care professional ever talk to you about any of the following topics as they relate to pregnancy? (mark all that apply)

Taking folic acid or multivitamin	2013	2014	2015	2016	2017	2018	2019
Urban	44	49	47	49	47	50	47
Micropolitan	36	41	40	41	38	41	40
Rural	36	42	41	42	41	42	40
Smoking	2013	2014	2015	2016	2017	2018	2019
Urban	31	37	33	36	30	36	31
Micropolitan	31	35	32	34	28	34	29
Rural	30	35	30	35	29	33	28
Drinking alcohol	2013	2014	2015	2016	2017	2018	2019
Urban	26	33	28	32	26	33	27
Micropolitan	24	30	26	29	23	29	24
Rural	23	29	25	29	24	29	23
Your weight	2013	2014	2015	2016	2017	2018	2019
Urban	24	31	26	30	25	30	27
Micropolitan	22	27	25	27	23	28	23
Rural	20	26	24	27	22	28	22
Regular exercise	2013	2014	2015	2016	2017	2018	2019
Urban	29	35	30	34	29	35	31
Micropolitan	25	30	26	29	25	30	25
Rural	23	29	26	29	25	30	25
Romantic relationships	2013	2014	2015	2016	2017	2018	2019
Urban	8	13	9	13	10	14	11
Micropolitan	7	12	9	12	10	12	11
Rural	7	12	9	13	9	14	10
Oral health	2013	2014	2015	2016	2017	2018	2019
Urban					24	22	25
Micropolitan					21	19	22
Rural					20	19	20
Did not see a doctor	2013	2014	2015	2016	2017	2018	2019
Urban	20	29	22	28	28	30	29
Micropolitan	28	38	29	36	36	38	35
Rural	29	37	28	37	36	38	37

3. Thinking back to the time you became pregnant were you (or your partner) using any form of birth control when you got pregnant? (mark all that apply)

No birth control	2013	2014	2015	2016	2017	2018	2019
Urban	85	87	87	87	87	88	89
Micropolitan	81	85	83	85	85	87	86
Rural	82	84	85	85	86	87	88
Birth control pills	2013	2014	2015	2016	2017	2018	2019
Urban	06	06	06	05	05	05	05
Micropolitan	08	07	08	07	07	07	07
Rural	08	08	07	08	07	06	06
Birth control patch	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	01
Micropolitan	<01	01	01	<01	<01	<01	01
Rural	<01	<01	<01	<01	<01	<01	01
Diaphragm	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	<01
Micropolitan	<01	<01	<01	<01	<01	<01	<01
Rural	<01	<01	<01	<01	<01	<01	<01
Spermicidal foam/insert	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	<01
Micropolitan	<01	<01	<01	<01	<01	<01	<01
Rural	<01	<01	<01	<01	<01	<01	<01
Birth control injection	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	01	01	01	<01	01
Micropolitan	01	01	01	01	01	01	<01
Rural	<01	01	01	<01	<01	<01	01
Nuvaring	2013	2014	2015	2016	2017	2018	2019
Urban	01	<01	01	<01	<01	<01	<01
Micropolitan	01	<01	01	01	<01	<01	<01
Rural	01	01	01	01	<01	<01	01
Condom	2013	2014	2015	2016	2017	2018	2019
Urban	03	03	03	03	03	02	02
Micropolitan	05	04	04	03	03	02	03
Rural	04	04	04	03	03	02	03
NFP, Rhythm method	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	01	01	01	01	01
Micropolitan	01	01	01	01	01	01	01
Rural	01	01	01	01	01	01	01

IUD	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	01	01	01	01	01
Micropolitan	01	01	01	<01	01	01	01
Rural	<01	01	01	01	<01	01	01
Implant/Nexplanon	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	<01
Micropolitan	<01	<01	<01	<01	<01	<01	<01
Rural	<01	<01	<01	<01	<01	<01	<01
Other	2013	2014	2015	2016	2017	2018	2019
Urban	<01	01	<01	01	<01	<01	<01
Micropolitan	<01	<01	<01	<01	<01	<01	<01
Rural	01	01	<01	<01	<01	<01	01

4. Thinking back, just before you became pregnant, did you want to become pregnant at that time?

Earlier and at time	2013	2014	2015	2016	2017	2018	2019
Urban	33	35	34	36	35	36	36
Micropolitan	29	31	30	31	32	33	32
Rural	29	30	32	31	33	35	35
At that time	2013	2014	2015	2016	2017	2018	2019
Urban	37	36	38	37	38	38	38
Micropolitan	34	34	34	34	35	34	35
Rural	36	36	38	37	36	36	37
Sometime in future	2013	2014	2015	2016	2017	2018	2019
Urban	26	25	24	24	24	23	23
Micropolitan	34	31	31	31	29	29	29
Rural	32	31	27	28	27	25	24
Not now nor in future	2013	2014	2015	2016	2017	2018	2019
Urban	03	03	04	03	03	03	03
Micropolitan	04	04	04	04	04	04	04
Rural	04	04	03	04	04	04	04

5. If you did not want to get pregnant, why did you not use any form of birth control?
(mark all that apply)

Wanted to get pregnant	2013	2014	2015	2016	2017	2018	2019
Urban	54	58	73	64	73	60	60
Micropolitan	47	53	65	56	67	55	53
Rural	50	56	70	59	69	58	59
Did not want to ruin mood/Embarrassed	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	01
Micropolitan	<01	<01	<01	<01	<01	<01	01
Rural	<01	<01	<01	<01	<01	<01	01
Physical discomfort/Side effects	2013	2014	2015	2016	2017	2018	2019
Urban	03	02	02	03	03	03	03
Micropolitan	03	03	03	03	03	04	04
Rural	03	02	03	03	03	03	03
Embarrassed buying birth control	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	<01
Micropolitan	<01	<01	<01	<01	<01	<01	<01
Rural	<01	<01	<01	<01	<01	<01	<01
Against religious beliefs	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	01	<01	01	<01
Micropolitan	<01	<01	01	<01	<01	01	<01
Rural	01	<01	<01	<01	<01	01	01
Judgement impaired	2013	2014	2015	2016	2017	2018	2019
Urban	<01	01	01	<01	<01	<01	<01
Micropolitan	01	01	01	01	01	01	01
Rural	01	01	01	01	01	01	01
Ran out of birth control	2013	2014	2015	2016	2017	2018	2019
Urban	02	02	01	01	01	01	01
Micropolitan	02	02	01	02	01	01	01
Rural	02	02	01	02	01	01	01
Did not plan to have intercourse	2013	2014	2015	2016	2017	2018	2019
Urban	02	02	01	02	01	01	02
Micropolitan	02	02	02	02	02	02	01
Rural	02	02	02	02	01	01	01

Father refused birth control	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01	<01	<01	01
Micropolitan	<01	<01	<01	<01	<01	<01	01
Rural	<01	<01	<01	<01	<01	<01	<01
Too expensive	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	<01	<01	<01	<01	01
Micropolitan	01	<01	01	<01	<01	<01	01
Rural	01	01	<01	<01	<01	<01	01
Birth control failed	2013	2014	2015	2016	2017	2018	2019
Urban	06	06	05	05	05	04	05
Micropolitan	09	07	07	06	06	06	06
Rural	08	08	06	06	06	05	05
Not actively preventing pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	13	13	12	13	13	13	13
Micropolitan	16	16	16	16	15	15	16
Rural	16	17	13	16	14	15	14
Thought couldn't get pregnant	2013	2014	2015	2016	2017	2018	2019
Urban	03	02	03	02	02	02	03
Micropolitan	03	03	03	03	03	03	04
Rural	03	03	03	02	02	02	03
Other	2013	2014	2015	2016	2017	2018	2019
Urban	02	02	02	02	01	01	02
Micropolitan	03	03	02	02	02	02	02
Rural	03	02	02	02	02	02	02

6. Here are a few things that might happen to some women during pregnancy. Please tell us if any of these things happened to you during this pregnancy. (mark all that apply)

Family member sick	2013	2014	2015	2016	2017	2018	2019
Urban	12	12	12	11	13	10	12
Micropolitan	12	13	14	12	11	11	13
Rural	13	13	12	12	11	12	13
Separated/divorced partner	2013	2014	2015	2016	2017	2018	2019
Urban	03	03	02	02	02	02	02
Micropolitan	04	04	03	04	03	04	04
Rural	04	04	03	03	03	03	02

Moved	2013	2014	2015	2016	2017	2018	2019
Urban	22	23	22	21	21	19	20
Micropolitan	26	26	25	23	23	23	23
Rural	24	26	21	22	21	19	18
Homeless	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	01	01	01	01	01
Micropolitan	01	01	01	01	01	01	01
Rural	<01	<01	<01	<01	01	<01	01
Partner lost job	2013	2014	2015	2016	2017	2018	2019
Urban	04	05	04	04	04	04	04
Micropolitan	05	06	05	06	05	05	05
Rural	05	05	05	05	04	04	04
Lost my job	2013	2014	2015	2016	2017	2018	2019
Urban	05	05	05	05	05	05	05
Micropolitan	06	06	06	06	07	06	06
Rural	06	06	04	05	05	04	04
Argued with partner more	2013	2014	2015	2016	2017	2018	2019
Urban	10	09	09	09	09	08	08
Micropolitan	12	11	11	10	12	10	10
Rural	11	10	09	09	10	08	08
Partner didn't want pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	02	02	01	01	01	01	02
Micropolitan	02	02	02	01	02	02	02
Rural	02	02	01	02	02	01	01
Couldn't pay bills	2013	2014	2015	2016	2017	2018	2019
Urban	07	07	06	06	06	06	06
Micropolitan	09	09	08	08	08	07	07
Rural	08	09	07	07	08	06	06
In a physical fight	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	<01	<01	01	<01	<01
Micropolitan	01	01	01	01	01	01	01
Rural	<01	01	01	01	<01	<01	01
Partner or I went to jail	2013	2014	2015	2016	2017	2018	2019
Urban	02	02	02	02	02	01	02
Micropolitan	02	02	03	02	03	03	02
Rural	02	02	02	02	02	02	02

Family/close friend had drinking/drug problem	2013	2014	2015	2016	2017	2018	2019
Urban	03	03	03	03	03	03	04
Micropolitan	03	04	04	04	05	04	04
Rural	03	03	03	04	04	04	03
Family/close friend died	2013	2014	2015	2016	2017	2018	2019
Urban	14	14	14	13	16	13	14
Micropolitan	16	15	17	15	18	14	15
Rural	16	16	17	15	17	15	15

7. Some women experience problems with their teeth or mouth during pregnancy. Here is a list of problems women may have with their teeth or mouth. Please tell us if you had any of the following problems during this pregnancy.

Toothache	2013	2014	2015	2016	2017	2018	2019
Urban	13		06		06		
Micropolitan	13		08		06		
Rural	13		06		07		
Loose tooth	2013	2014	2015	2016	2017	2018	2019
Urban	01		<01		<01		
Micropolitan	01		01		<01		
Rural	01		<01		01		
Gums bled a lot	2013	2014	2015	2016	2017	2018	2019
Urban	21		11		10		
Micropolitan	18		10		10		
Rural	16		09		09		
Painful, red, or swollen gums	2013	2014	2015	2016	2017	2018	2019
Urban	11		05		06		
Micropolitan	09		05		05		
Rural	08		04		04		
Cavities needing filled	2013	2014	2015	2016	2017	2018	2019
Urban	14		06		06		
Micropolitan	15		07		07		
Rural	15		06		07		
Tooth needing pulled	2013	2014	2015	2016	2017	2018	2019
Urban	06		02		02		
Micropolitan	07		04		03		
Rural	08		03		03		

Root canal or oral surgery	2013	2014	2015	2016	2017	2018	2019
Urban	05		02		02		
Micropolitan	04		02		02		
Rural	03		01		02		
Broken tooth	2013	2014	2015	2016	2017	2018	2019
Urban	08		03		03		
Micropolitan	09		04		03		
Rural	08		03		03		
No problems	2013	2014	2015	2016	2017	2018	2019
Urban	41		30		33		
Micropolitan	33		24		28		
Rural	31		26		28		
Other	2013	2014	2015	2016	2017	2018	2019
Urban	04		01		01		
Micropolitan	03		01		01		
Rural	03		01		01		

8. During this pregnancy, did you visit a dentist, dental clinic, or get dental care?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	57		58		59		60
Micropolitan	51		51		51		53
Rural	49		49		52		54
No	2013	2014	2015	2016	2017	2018	2019
Urban	43		42		41		40
Micropolitan	49		49		49		47
Rural	51		51		48		46

9. What were the main reasons that you did not go to a dentist, dental clinic, or get dental care?

Did not think it was important	2013	2014	2015	2016	2017	2018	2019
Urban	07		05		05		05
Micropolitan	09		05		06		05
Rural	10		05		05		05
No dental insurance	2013	2014	2015	2016	2017	2018	2019
Urban	08		05		04		04
Micropolitan	11		06		06		05
Rural	13		07		06		06
Dentist did not accept Medicaid/Title19	2013	2014	2015	2016	2017	2018	2019
Urban	04		02		02		02
Micropolitan	07		04		04		04
Rural	07		04		04		05
Nervous/afraid	2013	2014	2015	2016	2017	2018	2019
Urban	04		03		02		02
Micropolitan	05		03		03		03
Rural	05		03		02		03
No transportation	2013	2014	2015	2016	2017	2018	2019
Urban	02		01		01		01
Micropolitan	03		01		01		01
Rural	03		01		01		01
Couldn't take time off work/Too busy	2013	2014	2015	2016	2017	2018	2019
Urban	07		04		04		05
Micropolitan	08		04		05		05
Rural	08		04		04		04

Doctor/nurse told me not to go	2013	2014	2015	2016	2017	2018	2019
Urban	<01		<01		<01		<01
Micropolitan	<01		<01		<01		<01
Rural	<01		<01		<01		<01
Dentist office told me not to go	2013	2014	2015	2016	2017	2018	2019
Urban	02		01		01		01
Micropolitan	02		01		01		01
Rural	02		01		01		<01
Heard or read it wasn't safe during pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	03		01		01		01
Micropolitan	03		01		01		01
Rural	04		01		01		01
Do not routinely go even when not pregnant	2013	2014	2015	2016	2017	2018	2019
Urban	15		10		10		10
Micropolitan	22		12		12		12
Rural	23		12		12		12
Went before pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	18		11		11		11
Micropolitan	20		12		12		12
Rural	22		14		13		11
Other	2013	2014	2015	2016	2017	2018	2019
Urban	05		02		01		02
Micropolitan	05		02		01		02
Rural	06		02		01		02

10. During your most recent pregnancy, did your health care provider recommend that you receive Progesterone to keep your baby from being born too early? The medication is given in a series of weekly shots calls 17P or Makena or it can be administered in vaginal suppositories.

Yes, progesterone	2013	2014	2015	2016	2017	2018	2019
Urban			03	03	04	04	04
Micropolitan			02	03	03	03	03
Rural			02	02	03	03	04
Yes, suppositories	2013	2014	2015	2016	2017	2018	2019
Urban			02	02	01	02	02
Micropolitan			02	02	02	02	01
Rural			02	02	02	02	02
No	2013	2014	2015	2016	2017	2018	2019
Urban			93	90	90	90	90
Micropolitan			91	88	89	87	91
Rural			92	91	90	90	90
Don't know	2013	2014	2015	2016	2017	2018	2019
Urban			03	05	05	04	04
Micropolitan			05	07	06	07	05
Rural			04	05	05	05	04

11. Did you encounter any of the barriers below in receiving the 17P, Progesterone, or Makena shots or suppositories recommended by your health care provider?

Hard to remember	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
No way to get to clinic	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
Couldn't take time off work	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
No childcare	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01

Medicaid did not cover	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	01	01	<01
Rural			<01	<01	<01	<01	<01
Insurance did not cover	2013	2014	2015	2016	2017	2018	2019
Urban			<01	01	01	01	01
Micropolitan			<01	01	01	01	01
Rural			01	<01	01	01	01
Doctor not able to get medicine	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
Don't like/afraid of shots	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
Afraid of side effects	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
Couldn't afford medicine/co-pay	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
Too busy	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01	<01	<01	<01
Micropolitan			<01	<01	<01	<01	<01
Rural			<01	<01	<01	<01	<01
No barriers	2013	2014	2015	2016	2017	2018	2019
Urban			03	03	03	03	04
Micropolitan			03	04	03	03	03
Rural			03	03	04	03	03

12. Do you plan to work outside of your home following the birth of this baby?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban		72		74		75	
Micropolitan		71		73		72	
Rural		71		71		73	
No	2013	2014	2015	2016	2017	2018	2019
Urban		28		26		25	
Micropolitan		29		27		28	
Rural		29		29		27	

13. Does your worksite have a designated room/location for mothers to breastfeed or pump/express their breast milk?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban		52		56		59	
Micropolitan		41		44		47	
Rural		41		46		51	
No	2013	2014	2015	2016	2017	2018	2019
Urban		31		28		26	
Micropolitan		35		33		30	
Rural		36		34		31	
Don't know	2013	2014	2015	2016	2017	2018	2019
Urban		17		16		15	
Micropolitan		24		23		22	
Rural		23		19		17	

14. Does your worksite have a written policy about breastfeeding?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban		20		23		25	
Micropolitan		14		16		17	
Rural		12		17		19	
No	2013	2014	2015	2016	2017	2018	2019
Urban		29		27		26	
Micropolitan		33		31		30	
Rural		36		33		31	
Don't know	2013	2014	2015	2016	2017	2018	2019
Urban		51		50		49	
Micropolitan		53		53		53	
Rural		52		50		49	

15. At any time during this pregnancy, did a doctor, nurse, or other health care worker diagnose you with depression?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	02		02		03		03
Micropolitan	02		03		03		04
Rural	02		02		03		03
No	2013	2014	2015	2016	2017	2018	2019
Urban	90		91		88		86
Micropolitan	87		87		86		83
Rural	88		90		86		86
No, before	2013	2014	2015	2016	2017	2018	2019
Urban	08		07		09		11
Micropolitan	10		09		11		14
Rural	09		08		11		11

16. At any time during this pregnancy, did you take prescription medicine for your depression?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	05		04		06		08
Micropolitan	04		05		06		09
Rural	05		05		07		08
No	2013	2014	2015	2016	2017	2018	2019
Urban	03		04		04		05
Micropolitan	05		05		05		06
Rural	04		04		04		04
No, doctor said no	2013	2014	2015	2016	2017	2018	2019
Urban	01		01		01		01
Micropolitan	01		01		01		01
Rural	01		01		01		01
No, I decided not to	2013	2014	2015	2016	2017	2018	2019
Urban	01		01		02		02
Micropolitan	02		02		02		02
Rural	02		02		02		02

17. At any time during this pregnancy, did you get counseling for your depression?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	03		03		04		05
Micropolitan	03		04		04		05
Rural	03		02		04		04
No	2013	2014	2015	2016	2017	2018	2019
Urban	07		07		08		10
Micropolitan	10		09		11		13
Rural	09		08		10		11

18. Have your smoke any cigarettes in the past 2 years?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	24	23	22	20	19	17	17
Micropolitan	34	31	30	29	26	27	26
Rural	35	34	27	29	26	24	22
No	2013	2014	2015	2016	2017	2018	2019
Urban	76	77	78	80	81	83	83
Micropolitan	66	69	70	71	74	73	74
Rural	65	66	73	71	74	76	78

19. In the 3 months before you got pregnant, how many cigarettes did you smoke on an average day?

Zero per day	2013	2014	2015	2016	2017	2018	2019
Urban	16	14	16	17	17	16	16
Micropolitan	11	12	13	13	14	12	10
Rural	11	11	13	12	10	12	14
1-10 per day	2013	2014	2015	2016	2017	2018	2019
Urban	52	55	54	53	55	55	56
Micropolitan	54	55	54	56	52	52	55
Rural	52	52	53	56	55	54	53
11-20 per day	2013	2014	2015	2016	2017	2018	2019
Urban	29	27	28	26	25	26	26
Micropolitan	31	29	29	28	30	32	32
Rural	33	32	30	29	31	29	28
21+ per day	2013	2014	2015	2016	2017	2018	2019
Urban	04	03	03	04	04	03	03
Micropolitan	04	05	04	04	05	04	03
Rural	05	04	04	03	04	05	05

20. In the last 3 months of your pregnancy, how many cigarettes did you smoke on an average day?

Zero per day	2013	2014	2015	2016	2017	2018	2019
Urban	56	56	55	56	57	56	54
Micropolitan	51	51	52	54	51	51	50
Rural	50	49	52	51	50	50	56
1-10 per day	2013	2014	2015	2016	2017	2018	2019
Urban	38	37	39	38	39	38	41
Micropolitan	43	41	41	41	42	42	43
Rural	42	43	42	44	45	43	39
11-20 per day	2013	2014	2015	2016	2017	2018	2019
Urban	05	06	06	05	04	05	04
Micropolitan	06	07	06	05	06	07	07
Rural	07	07	05	05	05	06	04
21+ per day	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	<01	01	<01	<01	<01
Micropolitan	<01	01	01	<01	<01	01	<01
Rural	01	01	<01	01	01	01	01

21. Have you had any alcoholic drinks in the past 2 years?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	72	72	71	72		73	
Micropolitan	67	67	65	69		66	
Rural	69	70	70	71		72	
No	2013	2014	2015	2016	2017	2018	2019
Urban	28	28	29	28		27	
Micropolitan	33	33	35	31		34	
Rural	31	30	30	29		28	

22. In the 3 months before you got pregnant, how many alcoholic drinks did you have in an average week?

Zero per week	2013	2014	2015	2016	2017	2018	2019
Urban	28	26	24	25		24	
Micropolitan	30	30	28	28		28	
Rural	28	30	27	26		27	
1-2 per week	2013	2014	2015	2016	2017	2018	2019
Urban	49	50	51	51		51	
Micropolitan	45	48	48	49		48	
Rural	47	47	49	50		50	
3-5 per week	2013	2014	2015	2016	2017	2018	2019
Urban	18	19	20	20		20	
Micropolitan	18	17	18	18		18	
Rural	18	17	18	18		18	
6-10 per week	2013	2014	2015	2016	2017	2018	2019
Urban	04	04	04	04		04	
Micropolitan	05	05	04	05		05	
Rural	05	04	04	04		04	
11+ per week	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	01	01		01	
Micropolitan	02	01	01	01		02	
Rural	02	01	01	01		01	

23. In the last 3 months of your pregnancy, how many alcoholic drinks did you have in an average week?

Zero per week	2013	2014	2015	2016	2017	2018	2019
Urban	98	98	98	98		98	
Micropolitan	98	98	99	98		98	
Rural	98	98	98	99		98	
1-2 per week	2013	2014	2015	2016	2017	2018	2019
Urban	02	02	02	02		02	
Micropolitan	02	01	01	02		02	
Rural	02	02	01	01		01	
3-5 per week	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01		<01	
Micropolitan	<01	<01	<01	<01		<01	
Rural	<01	<01	<01	<01		<01	
6-10 per week	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01		<01	
Micropolitan	<01	<01	<01	<01		<01	
Rural	<01	<01	<01	<01		<01	
11+ per week	2013	2014	2015	2016	2017	2018	2019
Urban	<01	<01	<01	<01		<01	
Micropolitan	<01	<01	<01	<01		<01	
Rural	<01	<01	<01	<01		<01	

24. During your most recent pregnancy, how often did someone other than you smoke inside your home?

Daily	2013	2014	2015	2016	2017	2018	2019
Urban							04
Micropolitan							06
Rural							04
Weekly	2013	2014	2015	2016	2017	2018	2019
Urban							01
Micropolitan							01
Rural							01
Monthly	2013	2014	2015	2016	2017	2018	2019
Urban							<01
Micropolitan							01
Rural							<01
Less than monthly	2013	2014	2015	2016	2017	2018	2019
Urban							01
Micropolitan							02
Rural							02
Never	2013	2014	2015	2016	2017	2018	2019
Urban							94
Micropolitan							90
Rural							93

25. During any of your prenatal care visits, did a doctor, nurse, or other health care professional provide you with information about any of the things listed below:

How smoking can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	54	60	48	57	50	57	49
Micropolitan	58	65	53	62	55	62	52
Rural	58	65	52	63	56	62	53
Breastfeeding my baby	2013	2014	2015	2016	2017	2018	2019
Urban	66	68	64	66	67	65	67
Micropolitan	68	72	68	69	70	69	67
Rural	71	75	70	74	73	70	71
How alcohol can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	51	57	46	54	49	53	49
Micropolitan	53	59	48	57	52	57	48
Rural	52	59	49	57	53	56	51

Using a seatbelt during pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	43	47	40	43	40	40	40
Micropolitan	45	48	42	49	47	45	43
Rural	44	48	45	50	47	48	47
Medicines that are safe during pregnancy	2013	2014	2015	2016	2017	2018	2019
Urban	81	83	79	81	81	84	82
Micropolitan	80	82	78	81	80	83	80
Rural	79	83	79	82	82	85	82
How illegal drugs can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	42	48	38	44	39	43	39
Micropolitan	45	52	42	49	43	47	41
Rural	41	49	40	48	43	47	43
How prescription medication can affect my baby	2013	2014	2015	2016	2017	2018	2019
Urban	48	55	46	53	48	52	49
Micropolitan	48	56	47	55	50	53	46
Rural	48	55	47	54	51	55	50
Doing tests to screen for birth defects/diseases	2013	2014	2015	2016	2017	2018	2019
Urban	78	83	74	82	77	84	77
Micropolitan	74	79	72	79	75	80	72
Rural	72	77	73	79	75	82	74
What to do if I feel depressed	2013	2014	2015	2016	2017	2018	2019
Urban	53	59	49	57	53	58	58
Micropolitan	51	57	48	58	53	58	55
Rural	48	56	49	57	55	60	57
Physical abuse	2013	2014	2015	2016	2017	2018	2019
Urban	31	36	28	33	28	30	29
Micropolitan	32	37	30	37	31	32	30
Rural	28	34	30	33	30	33	31
Symptoms of preterm labor	2013	2014	2015	2016	2017	2018	2019
Urban	64	68	60	66	61	66	61
Micropolitan	63	68	61	68	62	67	61
Rural	65	70	63	69	66	70	64

What to do if labor starts early	2013	2014	2015	2016	2017	2018	2019
Urban	65	68	63	67	64	67	66
Micropolitan	65	69	64	70	66	68	64
Rural	66	71	66	70	68	71	69
Count kicks/ monitor movements	2013	2014	2015	2016	2017	2018	2019
Urban					75	79	84
Micropolitan					73	75	80
Rural					77	78	82
Monitor changes in baby's activity	2013	2014	2015	2016	2017	2018	2019
Urban	73	76	73	76			
Micropolitan	69	73	72	76			
Rural	69	73	73	74			
What to do if baby not as active	2013	2014	2015	2016	2017	2018	2019
Urban	73	76	73	76	75	78	73
Micropolitan	69	74	73	76	73	76	70
Rural	68	72	73	75	76	78	73
Oral health or dental care	2013	2014	2015	2016	2017	2018	2019
Urban					44	43	
Micropolitan					45	45	
Rural					45	46	
The Zika virus	2013	2014	2015	2016	2017	2018	2019
Urban						36	32
Micropolitan						29	25
Rural						37	34
Not provided with information	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	02	01	05	03	04
Micropolitan	02	02	02	01	05	04	04
Rural	02	02	02	02	05	04	04

26. Some women experience problems getting prenatal care, while others do not. Here is a list of problems some women can have getting prenatal care.

No problems	2013	2014	2015	2016	2017	2018	2019
Urban		88		87		87	91
Micropolitan		87		87		88	89
Rural		89		90		89	92
Couldn't get appointment	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	01
Micropolitan		01		01		01	01
Rural		01		01		01	<01
Couldn't pay	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	01
Micropolitan		01		01		01	01
Rural		02		01		01	01
No transportation	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	01
Micropolitan		01		01		01	01
Rural		01		01		01	<01
Couldn't take time off work	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	01
Micropolitan		01		01		01	<01
Rural		01		01		01	<01
Doctor would not start plan as early as I wanted	2013	2014	2015	2016	2017	2018	2019
Urban		01		<01		<01	<01
Micropolitan		01		<01		<01	<01
Rural		<01		<01		<01	<01
Had problems signing up for Medicaid/ Title19	2013	2014	2015	2016	2017	2018	2019
Urban		02		01		01	01
Micropolitan		03		02		01	01
Rural		03		01		01	01
Medicaid coverage dropped	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	<01
Micropolitan		01		01		01	<01
Rural		01		01		01	<01

No childcare	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		<01	<01
Micropolitan		01		01		<01	<01
Rural		<01		<01		01	<01
Too many other things going on	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	<01
Micropolitan		01		01		01	<01
Rural		01		01		01	<01
Didn't want anyone to know I was pregnant	2013	2014	2015	2016	2017	2018	2019
Urban		<01		<01		<01	<01
Micropolitan		01		<01		<01	<01
Rural		<01		<01		<01	<01
Doctor would not take insurance	2013	2014	2015	2016	2017	2018	2019
Urban						<01	
Micropolitan						<01	
Rural						<01	
Other	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	<01
Micropolitan		<01		01		01	<01
Rural		<01		<01		<01	<01

27. Were you ever refused prenatal care during this pregnancy?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	01
Micropolitan		01		01		01	01
Rural		01		01		01	01
No	2013	2014	2015	2016	2017	2018	2019
Urban		99		99		99	99
Micropolitan		99		99		99	99
Rural		99		99		99	99

28. Why were you refused care?

No insurance	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01
Problems with insurance	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01
Doctor not accepting new patients	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01
Doctor not accepting Medicaid/ Title 19	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01
Pregnancy was high risk	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01
Too late in pregnancy to change doctors	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01
Unsure	2013	2014	2015	2016	2017	2018	2019
Urban		<01	<01		<01		<01
Micropolitan		<01	<01		<01		<01
Rural		<01	<01		<01		<01

29. How many months along were you when you went for your first prenatal care visit?

0 months	2013	2014	2015	2016	2017	2018	2019
Urban		04		04		04	
Micropolitan		02		03		03	
Rural		02		02		03	
1 month	2013	2014	2015	2016	2017	2018	2019
Urban		27		29		29	
Micropolitan		30		29		30	
Rural		30		31		32	
2 months	2013	2014	2015	2016	2017	2018	2019
Urban		48		48		49	
Micropolitan		45		44		46	
Rural		41		43		43	
3 months	2013	2014	2015	2016	2017	2018	2019
Urban		15		13		13	
Micropolitan		16		17		14	
Rural		19		18		16	
4 months	2013	2014	2015	2016	2017	2018	2019
Urban		03		02		02	
Micropolitan		03		03		03	
Rural		04		03		02	
5 months	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	
Micropolitan		02		01		01	
Rural		02		01		01	
6 months	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	
Micropolitan		01		01		01	
Rural		01		01		01	
7 months	2013	2014	2015	2016	2017	2018	2019
Urban		<01		<01		<01	
Micropolitan		<01		01		01	
Rural		01		01		01	
8 months	2013	2014	2015	2016	2017	2018	2019
Urban		01		01		01	
Micropolitan		<01		01		01	
Rural		01		<01		01	
9 months	2013	2014	2015	2016	2017	2018	2019
Urban		<01		<01		<01	
Micropolitan		<01		<01		<01	
Rural		<01		<01		<01	

Did not have prenatal visit	2013	2014	2015	2016	2017	2018	2019
Urban		<01		<01		01	
Micropolitan		<01		<01		01	
Rural		<01		<01		<01	

30. Did you get prenatal care as early in this pregnancy as you wanted?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban		93		94		94	
Micropolitan		92		93		93	
Rural		94		95		95	
No	2013	2014	2015	2016	2017	2018	2019
Urban		07		06		05	
Micropolitan		08		06		06	
Rural		06		04		04	
No prenatal care	2013	2014	2015	2016	2017	2018	2019
Urban		<01		01		<01	
Micropolitan		<01		01		01	
Rural		<01		<01		<01	

31. Where did you go for most of your prenatal care?

Private clinic	2013	2014	2015	2016	2017	2018	2019
Urban		84		81		81	
Micropolitan		80		79		77	
Rural		67		63		71	
Midwife office/ home visit	2013	2014	2015	2016	2017	2018	2019
Urban		07		09		09	
Micropolitan		02		01		03	
Rural		02		05		05	
Public clinic	2013	2014	2015	2016	2017	2018	2019
Urban		09		10		10	
Micropolitan		18		19		19	
Rural		30		31		23	
Other	2013	2014	2015	2016	2017	2018	2019
Urban		<01		<01		<01	
Micropolitan		<01		<01		<01	
Rural		<01		<01		<01	
No prenatal care	2013	2014	2015	2016	2017	2018	2019
Urban		<01		01		<01	
Micropolitan		<01		01		<01	
Rural		<01		<01		<01	

32. At any time during your most recent pregnancy, did you talk with a doctor about Zika virus?

Yes, without asking	2013	2014	2015	2016	2017	2018	2019
Urban					37		
Micropolitan					32		
Rural					39		
Yes, after I asked	2013	2014	2015	2016	2017	2018	2019
Urban					08		
Micropolitan					05		
Rural					05		
No	2013	2014	2015	2016	2017	2018	2019
Urban					55		
Micropolitan					64		
Rural					56		

33. During your most recent pregnancy, were you aware or recommendations that pregnant women should avoid travel with Zika virus?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban					87		
Micropolitan					78		
Rural					85		
No	2013	2014	2015	2016	2017	2018	2019
Urban					13		
Micropolitan					22		
Rural					15		

34. During your most recent pregnancy, were you aware Zika can be sexually transmitted if your partner has it and that pregnancy women should use condoms when having sex with a partner who traveled to areas with Zika virus?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban					68		
Micropolitan					56		
Rural					63		
No	2013	2014	2015	2016	2017	2018	2019
Urban					32		
Micropolitan					44		
Rural					37		

35. During this pregnancy, did a health care professional or other agency staff person come to your home to help you take care of yourself or prepare for your new baby?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	03	04	03				
Micropolitan	05	04	05				
Rural	06	05	04				
No	2013	2014	2015	2016	2017	2018	2019
Urban	97	96	97				
Micropolitan	95	96	95				
Rural	94	95	96				

36. Were you tested for HIV/AIDS during this pregnancy?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	49	50	44	47	40	43	43
Micropolitan	53	52	48	51	45	49	48
Rural	45	47	45	45	40	46	43
No	2013	2014	2015	2016	2017	2018	2019
Urban	30	26	31	27	34	30	29
Micropolitan	23	21	25	21	28	23	23
Rural	30	26	29	27	32	26	28
Offered, but said no	2013	2014	2015	2016	2017	2018	2019
Urban	03	04	02	03	02	02	02
Micropolitan	04	03	01	02	01	01	01
Rural	03	04	03	04	02	02	01
Don't know	2013	2014	2015	2016	2017	2018	2019
Urban	19	21	22	23	24	25	27
Micropolitan	20	23	25	27	26	27	28
Rural	22	24	24	25	26	26	28

37. Were you tested for syphilis during this pregnancy?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban							35
Micropolitan							38
Rural							35
No	2013	2014	2015	2016	2017	2018	2019
Urban							27
Micropolitan							23
Rural							28
Offered, but said no	2013	2014	2015	2016	2017	2018	2019
Urban							01
Micropolitan							01
Rural							01
Don't know	2013	2014	2015	2016	2017	2018	2019
Urban							37
Micropolitan							38
Rural							36

38. Did you get a flu shot this pregnancy?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	61	62	65	65	66	67	
Micropolitan	58	60	58	62	61	61	
Rural	57	62	62	63	64	66	
No, before	2013	2014	2015	2016	2017	2018	2019
Urban	08	07	06	06	06	06	
Micropolitan	07	07	08	07	07	07	
Rural	07	07	07	06	07	06	
No, I decided not to	2013	2014	2015	2016	2017	2018	2019
Urban	13	13	12	13	12	13	
Micropolitan	14	13	13	14	13	15	
Rural	12	12	12	12	11	12	
No, doctor said no	2013	2014	2015	2016	2017	2018	2019
Urban	01	01	01	01	01	01	
Micropolitan	01	01	01	01	01	01	
Rural	01	01	01	01	<01	01	
No, I never do	2013	2014	2015	2016	2017	2018	2019
Urban	14	14	14	13	13	12	
Micropolitan	17	16	17	15	16	15	
Rural	19	16	16	15	15	14	
No, not available	2013	2014	2015	2016	2017	2018	2019
Urban	03	02	02	02	02	02	
Micropolitan	03	03	03	02	02	02	
Rural	03	02	02	02	02	02	

39. How many minutes did it usually take you to get to your prenatal care provider?

0-20 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							78
Micropolitan							71
Rural							51
21-40 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							16
Micropolitan							18
Rural							28
41-60 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							04
Micropolitan							08
Rural							16
61-80 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							<01
Micropolitan							01
Rural							02
81+ minutes	2013	2014	2015	2016	2017	2018	2019
Urban							01
Micropolitan							02
Rural							02

40. This question asks about things that may have happened at the hospital where your new baby was born.

Breastfed baby	2013	2014	2015	2016	2017	2018	2019
Urban					83		
Micropolitan					78		
Rural					80		
Given information on breastfeeding	2013	2014	2015	2016	2017	2018	2019
Urban					88		
Micropolitan					85		
Rural					86		
Skin-to-skin within first hour	2013	2014	2015	2016	2017	2018	2019
Urban					84		
Micropolitan					81		
Rural					84		
Breastfed with first hour	2013	2014	2015	2016	2017	2018	2019
Urban					65		
Micropolitan					60		
Rural					65		
Hospital staff taught me breastfeeding	2013	2014	2015	2016	2017	2018	2019
Urban					75		
Micropolitan					69		
Rural					70		
Hospital staff told me to breastfeed whenever baby wanted	2013	2014	2015	2016	2017	2018	2019
Urban					68		
Micropolitan					65		
Rural					70		
I am feeding my baby	2013	2014	2015	2016	2017	2018	2019
Urban					94		
Micropolitan					93		
Rural					94		

41. During the first 24 hours following the birth of your baby, did the hospital staff encourage you to breastfeed?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban	81	84	84	86		85	84
Micropolitan	75	80	81	82		82	82
Rural	81	82	84	87		85	85
No	2013	2014	2015	2016	2017	2018	2019
Urban	16	14	13	12		12	13
Micropolitan	21	17	16	15		15	15
Rural	17	15	14	11		12	13
Don't remember	2013	2014	2015	2016	2017	2018	2019
Urban	03	03	03	02		02	03
Micropolitan	04	03	03	03		03	03
Rural	03	03	02	02		02	02

42. During your hospitalization, has a doctor, nurse or other healthcare professional discussed the following topics?

Breastfeeding or breastfeeding techniques	2013	2014	2015	2016	2017	2018	2019
Urban	78	79	82	84		84	
Micropolitan	71	74	78	80		79	
Rural	76	78	81	83		82	
Action steps to decrease frustration when infant cries	2013	2014	2015	2016	2017	2018	2019
Urban	44	46	39	40		40	42
Micropolitan	49	52	42	47		44	49
Rural	53	58	46	54		49	54
How to lay baby down to sleep	2013	2014	2015	2016	2017	2018	2019
Urban	54	55	51	53		54	57
Micropolitan	54	56	50	58		57	60
Rural	63	64	55	64		60	65
Dangers of shaking an infant	2013	2014	2015	2016	2017	2018	2019
Urban	44	45	37	38		37	41
Micropolitan	49	51	41	45		43	48
Rural	54	59	44	53		47	53
Did not receive information	2013	2014	2015	2016	2017	2018	2019
Urban	09	09	07	07		07	30
Micropolitan	11	11	08	08		09	24
Rural	09	08	07	08		08	22

43. In which of the following positions of you plan to lay your baby down to sleep most of the time?

On back	2013	2014	2015	2016	2017	2018	2019
Urban			93	93		94	95
Micropolitan			91	92		92	93
Rural			92	92		94	93
On side	2013	2014	2015	2016	2017	2018	2019
Urban			02	02		02	01
Micropolitan			03	03		03	02
Rural			03	03		02	02
On stomach	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01		<01	<01
Micropolitan			<01	<01		<01	<01
Rural			<01	<01		<01	<01
No preference	2013	2014	2015	2016	2017	2018	2019
Urban			04	04		04	04
Micropolitan			06	06		05	04
Rural			04	05		04	05

44. Listed below are some locations or descriptions of where a new baby might sleep/ For each one, please mark yes, no or not sure where you think your baby will ever sleep in a similar way for naps or at night.

Sleep in a crib, bassinet or portable crib

Yes	2013	2014	2015	2016	2017	2018	2019
Urban			99	99		99	99
Micropolitan			99	99		99	99
Rural			99	99		99	99
No	2013	2014	2015	2016	2017	2018	2019
Urban			<01	<01		<01	<01
Micropolitan			<01	<01		<01	<01
Rural			<01	<01		<01	<01
Not sure	2013	2014	2015	2016	2017	2018	2019
Urban			01	01		<01	<01
Micropolitan			01	<01		01	01
Rural			<01	01		01	<01

Sleep with pillows nearby or under them

Yes	2013	2014	2015	2016	2017	2018	2019
Urban			02	02		01	01
Micropolitan			02	01		02	02
Rural			02	02		01	01
No	2013	2014	2015	2016	2017	2018	2019
Urban			96	95		96	96
Micropolitan			94	95		95	95
Rural			95	95		95	96
Not sure	2013	2014	2015	2016	2017	2018	2019
Urban			02	03		03	02
Micropolitan			04	04		03	03
Rural			03	04		03	03

Sleep with bumper pads

Yes	2013	2014	2015	2016	2017	2018	2019
Urban			09	07		05	05
Micropolitan			15	12		08	07
Rural			13	11		07	06
No	2013	2014	2015	2016	2017	2018	2019
Urban			85	87		89	91
Micropolitan			77	81		85	87
Rural			81	83		87	89
Not sure	2013	2014	2015	2016	2017	2018	2019
Urban			05	05		05	05
Micropolitan			08	07		07	06
Rural			06	06		06	05

Sleep covered with a loose blanket

Yes	2013	2014	2015	2016	2017	2018	2019
Urban			06	07		05	04
Micropolitan			10	09		07	06
Rural			08	10		07	05
No	2013	2014	2015	2016	2017	2018	2019
Urban			89	88		91	92
Micropolitan			83	84		88	89
Rural			85	83		88	90
Not sure	2013	2014	2015	2016	2017	2018	2019
Urban			04	05		04	03
Micropolitan			07	07		05	05
Rural			07	08		05	04

Sleep with stuffed toys

Yes	2013	2014	2015	2016	2017	2018	2019
Urban			01	01		01	01
Micropolitan			01	<01		01	01
Rural			01	01		<01	<01
No	2013	2014	2015	2016	2017	2018	2019
Urban			98	98		98	98
Micropolitan			97	97		98	98
Rural			98	97		98	98
Not sure	2013	2014	2015	2016	2017	2018	2019
Urban			02	02		01	01
Micropolitan			02	02		02	02
Rural			02	02		01	01

Sleep in a bed with me or another person

Yes	2013	2014	2015	2016	2017	2018	2019
Urban			04	04		04	04
Micropolitan			06	05		04	04
Rural			05	06		04	04
No	2013	2014	2015	2016	2017	2018	2019
Urban			90	89		91	91
Micropolitan			86	88		89	90
Rural			88	86		88	89
Not sure	2013	2014	2015	2016	2017	2018	2019
Urban			06	06		05	05
Micropolitan			09	08		07	06
Rural			08	09		08	07

45. Before or after your new baby was born, did you receive information about breastfeeding from any of the following sources?

My doctor	2013	2014	2015	2016	2017	2018	2019
Urban					60		
Micropolitan					65		
Rural					69		
A nurse, midwife, or doula	2013	2014	2015	2016	2017	2018	2019
Urban					72		
Micropolitan					71		
Rural					74		
A breastfeeding or lactation specialist	2013	2014	2015	2016	2017	2018	2019
Urban					65		
Micropolitan					42		
Rural					44		
My baby's doctor or health care provider	2013	2014	2015	2016	2017	2018	2019
Urban					43		
Micropolitan					47		
Rural					54		
A breastfeeding support group	2013	2014	2015	2016	2017	2018	2019
Urban					13		
Micropolitan					10		
Rural					09		
Breastfeeding hotline or toll-free number	2013	2014	2015	2016	2017	2018	2019
Urban					05		
Micropolitan					04		
Rural					03		
Family or friends	2013	2014	2015	2016	2017	2018	2019
Urban					55		
Micropolitan					55		
Rural					52		
Other	2013	2014	2015	2016	2017	2018	2019
Urban					10		
Micropolitan					10		
Rural					07		

46. How often do you plan to have your new baby sleep in the same bed, in a reclining chair or on a couch with you or anyone else? Sleeping would include both at night and for naps during the day.

Daily	2013	2014	2015	2016	2017	2018	2019
Urban				08	09	07	07
Micropolitan				10	11	07	07
Rural				11	12	08	08
Weekly	2013	2014	2015	2016	2017	2018	2019
Urban				07	06	06	05
Micropolitan				08	06	06	06
Rural				11	07	07	07
Monthly	2013	2014	2015	2016	2017	2018	2019
Urban				01	01	01	01
Micropolitan				01	01	01	01
Rural				01	01	01	01
A few times a year	2013	2014	2015	2016	2017	2018	2019
Urban				04	04	03	04
Micropolitan				05	04	04	05
Rural				05	05	04	05
Never	2013	2014	2015	2016	2017	2018	2019
Urban				79	81	84	83
Micropolitan				75	78	82	81
Rural				72	75	79	79

47. Were you offered a long acting reversible contraceptive device after your baby was born?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban					12		15
Micropolitan					19		22
Rural					16		18
No	2013	2014	2015	2016	2017	2018	2019
Urban					88		85
Micropolitan					81		78
Rural					84		82

48. Will you, or have you received a long acting reversible contraceptive device?

Yes	2013	2014	2015	2016	2017	2018	2019
Urban					44		43
Micropolitan					41		40
Rural					42		37
No	2013	2014	2015	2016	2017	2018	2019
Urban					56		57
Micropolitan					59		60
Rural					58		63

49. How many minutes did it take you to travel from your home to the hospital where you delivered your baby?

0-20 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							73
Micropolitan							65
Rural							40
21-40 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							21
Micropolitan							18
Rural							34
41-60 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							5
Micropolitan							12
Rural							20
61-80 minutes	2013	2014	2015	2016	2017	2018	2019
Urban							<01
Micropolitan							02
Rural							03
81+ minutes	2013	2014	2015	2016	2017	2018	2019
Urban							01
Micropolitan							03
Rural							03